

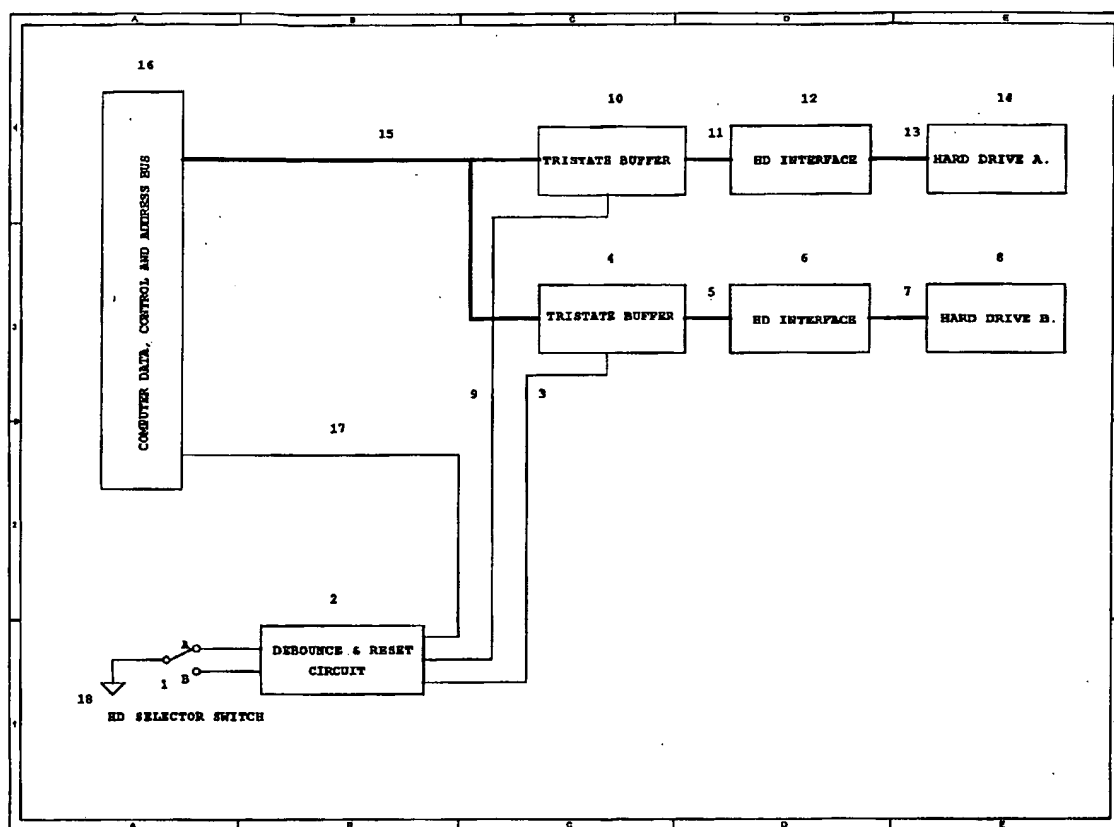
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(51) Int.Cl.<sup>6</sup> G06F 12/14

(54) **INTERFACE ASSURANT A DES UTILISATEURS MULTIPLES  
UN ACCES PROTEGE A LEUR DISQUE RIGIDE**

(54) **MULTIPLE USER SECURE HARD DRIVE INTERFACE**



(57) Le précis n'est pas disponible en ce moment.

(57) Abstract Not Yet Available.



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**MULTIPLE USER SECURE HARD DRIVE INTERFACE.**

**Inventor: Skobla; Joseph, Oakville, Ontario, Canada**

**Description:** A multiple user secure interface (MUI) is provided for the connection of two or more hard drives to a personal computer. MUI allows to ensure a secured data for multiple users of the personal computer. The MUI comprises a selector switch with lock, debounce reset circuit, tristate buffers, and hard drive interface. Tristate buffers and hard drives interfaces are connected to the computer system bus. The selector switch is mounted on the computer enclosure and allows selection of the hard drive by the user. The user A will switch selector to the position A which will enable the hard drive A, personal computer will boot to A drive, only data and programs stored on A drive now is available to the user A. The hard drive B is now disable. If the switch is in position B the personal computer will boot to the hard drive B and only data and programs stored on the hard drive B is available to the user B. The hard drive A is now disable. The electromechanical switch - lock is set up to operate either with two different keys or with one key. First option will allow to have equal access to the personal computer for user A to the hard drive A and user B to the hard drive B. Second option allow to one user (master) to have secure access to the hard drive A and to the hard drive B. Master user can switch and lock the selector to the position B which allow to user B access only B hard drive.

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**Claims:**

- A multiple user interface for connecting two or more hard drives to a personal computer securing the data and programs for one or more users, comprising:
- a hard drive electromechanical selector switch (1) with lock for the selection of access to one or more hard drives A (14), B (8), C etc.
- a selector switch with lock (1) is mounted on surface of the personal computer enclosure allowing access and operation by one or multiple users.
- a switch A position of said selector switch (1) will enable access for only one hard drive A (14) and disable access to the hard drive B (8)
- a switch B position of said selector switch (1) will enable access for only hard drive B (8) and disable access to the hard drive A (14)
- after power on or changing the position of said selector switch (1) the personal computer is reset (17) and boot either to the hard drive A (14) or to the hard drive B (8) etc.

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- a debounce and a reset circuit (2) is connected to said selector switch (1) and said reset interface circuit (2) means for resetting the central processor of the personal computer (16) after switching said selector switch (1) from position A or B.
- an output of said debounce and reset circuit(2) is connected to the enable either input(9) of tristate buffer (10) or to the input (3) of tri state buffer (4) to isolate a hard drive interface (12) and hard drive interface (6) of said hard drive A(14) and said hard drive B (8) from common system bus (15) of the personal computer (16), and isolate means only one hard drive A (14) or the hard drive B (8) is enabled and active according the position A or B of said selector switch (1).

Signed by inventor:

February 12, 1997

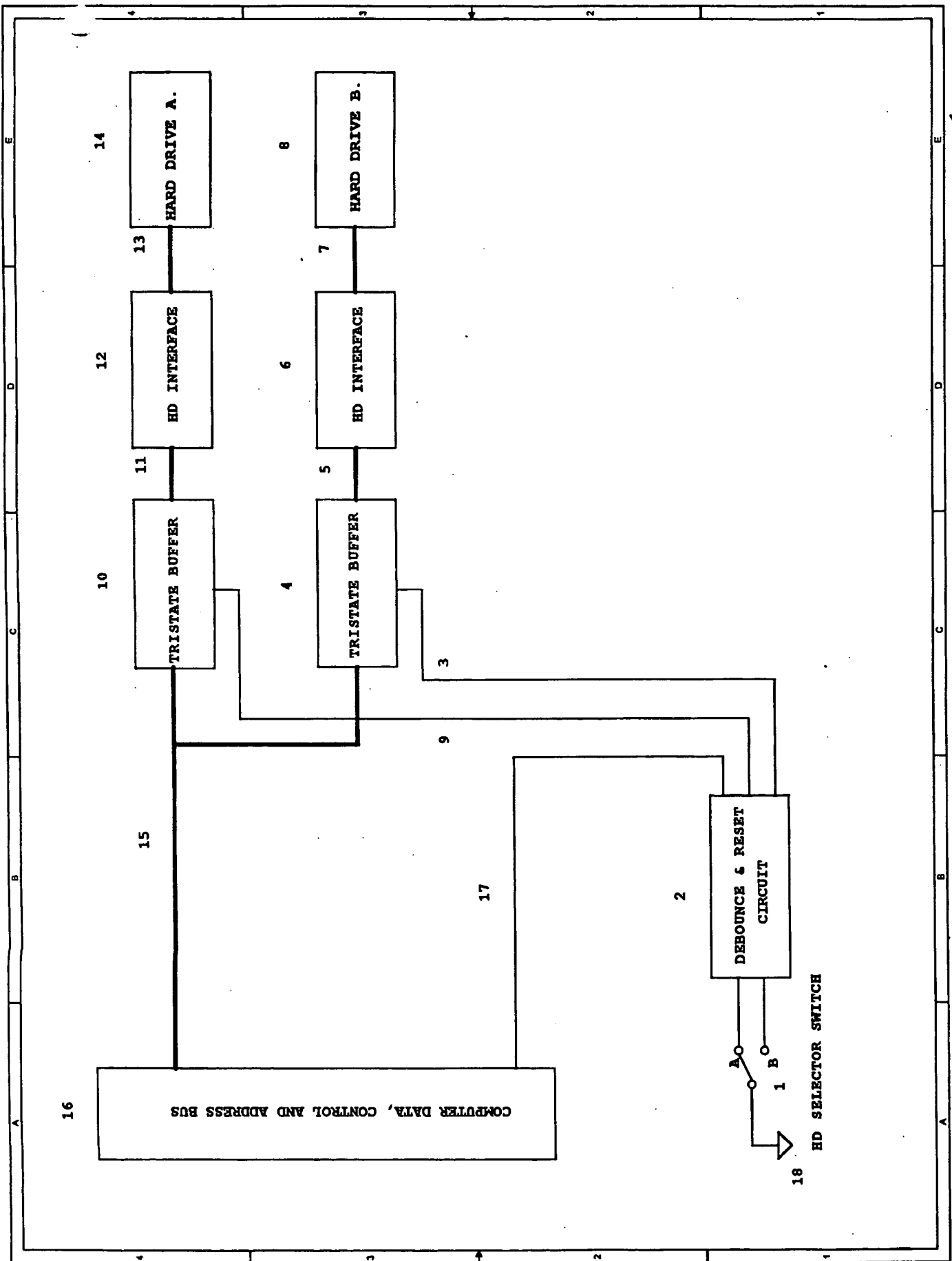
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Enclosed:

1. Block diagram of the MUI
2. General view a personal computer with a user selector switch-lock

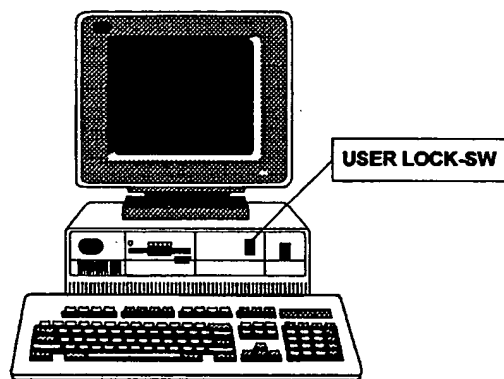
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